

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors in the order listed on Form Page 2.
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NAME Thurm, Audrey		POSITION TITLE Staff Scientist	
eRA COMMONS USER NAME (credential, e.g., agency login)			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	MM/YY	FIELD OF STUDY
Cornell University	B.S.	01/93	Human Development
DePaul University	Ph.D.	08/01	Child Clinical Psychology
Johns Hopkins University	Postdoctoral	07/02	Child Psychiatry

A. Personal Statement

The goal of the proposed research is to test a novel paradigm using associative learning as a possible marker of autism in one-month old infants. My research interests focus on early development of autism and other neurodevelopmental disorders and factors that predict outcome. My training included work on multiple projects following young children to investigate early diagnosis of autism. I have specifically focused on predictors of language development and continue to examine both behavioral and biologic factors that contribute to language and functional outcomes in autism. In the intramural NIMH autism research program I serve as Principal Investigator of the branch's screening protocol and oversee the diagnostic assessments and behavioral evaluations in all of the branch's protocols. I also serve as co-Principal Investigator of the longitudinal phenotyping study: "Clinical and Immunological Investigations of Subtypes of Autism," in which we are following 100 children with autism, as well as children in several control groups to investigate potential subtypes of autism. I am currently also working on a study of infants with language delays, looking for risk factors of autism. Thus, the proposed collaboration that includes my role in supervising diagnostic evaluations and recruitment on this multisite study is consistent with the project needs and my expertise.

B. Positions and Honors**Positions and Employment**

2000-2001 Clinical Psychology Intern, Children's Hospital/Harvard Medical School
 2001-2002 Post-doctoral Fellow, Johns Hopkins University/Kennedy Krieger Institute
 2002-2005 Program Officer, National Institute of Mental Health
 2005-present Staff Scientist, Pediatrics and Developmental Neuroscience Branch, National Institute of Mental Health

Other Experience and Professional Memberships

2002- Member, International Society for Autism Research
 2008- Advisor, DSM-V Neurodevelopmental Disabilities Workgroup
 2009- Autism Speaks Review Panels (ad hoc)
 2010- Member, Phelan-McDermid Syndrome Foundation Scientific Advisory Committee
 2011 Consultant, FDA Anesthetic and Life Support Drugs Advisory Committee

Honors

2001	National Research Service Award Fellowship appointment
2005	NIH Director's Group Award
2009	NIMH Director's Group Award

C. Selected Peer-reviewed Publications

Most relevant to the current application

1. Lord, C., Risi, S., DiLavore, P., Shulman, C., Thurm, A., & Pickles, A. (2006). Autism from two to nine. *Archives of General Psychiatry*, 63, 694-701. PMID: 16754843
2. Zwaigenbaum, L., Thurm, A., Stone, W., Baranek, G., Bryson, S., Iverson, J., Kau, A., Klin, A., Landa, R., Lord, C., Rogers, S., & Sigman, M. (2007). Studying the emergence of autism spectrum disorders in high risk infants: Methodological and practical issues. *Journal of Autism and Developmental Disorders*, 37(3), 466-480. PMID: 16897376
3. Thurm, A., Lord, C., Lee, L.C., & Newschaffer, C. (2007). Predictors of language acquisition in preschool children with autism. *Journal of Autism and Developmental Disorders*, 37, 1721-1734. PMID: 17087526
4. Anderson, D.K., Lord, C., Risi, S., DiLavore, P., Shulman, C., Thurm, A., & Pickles, A. (2007). Patterns of growth in verbal abilities among children with autism spectrum disorder. *Journal of Consulting and Clinical Psychology*, 75, 594-604. PMID: 17663613
5. Shumway S, Thurm, A, Swedo, S.E., Deprey, L., Barnett, L.A., Amaral, D.G., Rogers, S.J., & Ozonoff, S. (2011). Brief report: Symptom onset patterns and functional outcomes in young children with autism spectrum disorders. *Journal of Autism and Developmental Disorders*, [Epub ahead of print]. PMID: 21360021

Additional recent publications of importance to the field (in chronological order)

1. McMahon, S.D., Grant, K.E., Compas, B.E., Thurm, A.E., & Ey, S. (2003). Stress and psychopathology in children and adolescents: Is there evidence of specificity? *Journal of Child Psychology and Psychiatry*, 44(1), 107-133. PMID: 12553415
2. Grant, K., Compas, B., Stuhlmacher, A.F., Thurm, A., McMahon, S. & Halpert, J. (2003). Stress and developmental psychopathology: From markers to mechanisms of risk. *Psychological Bulletin*, 120 (3), 447-466. PMID: 12784938
3. Grant, K., Compas, B., Thurm, A., McMahon, S. & Ey, S. (2004). Stress and child/ adolescent psychopathology: Conceptualization, measurement, and prospective studies. *Journal of Clinical Child and Adolescent Psychology*, 33(2), 412-25. PMID: 15136206
4. Grant, K.E., Compas, B., Thurm, A., McMahon, S.D., Gipson, P.Y., Campbell, A.J., Krochok, K., Westerholm, R.I. (2005). Stressors and child and adolescent psychopathology: Evidence of moderating and mediating effects. *Clinical Psychology Review*, 26, 257-283. PMID: 16364522
5. Hirschtritt, M.E., Hammond, C.J., Luckenbaugh, D., Buhle, J., Thurm, A.E., Casey, B.J., & Swedo, S.E. (2009). Executive and attention functioning among children in the PANDAS subgroup. *Child Neuropsychology*, 15(2), 179-194. PMID: 18622810
6. Kiringoda, R., Thurm, A.E., Hirschtritt, M.E., Koziol, D.; Wesley, R., Swedo, S.E., O'Grady, N., Quezado, Z.M.N. (2010). Risks of propofol sedation anesthesia for imaging studies in pediatric research: Eight years of experience in a clinical research center. *Archives of Pediatrics and Adolescent Medicine*, 164(6), 554-560. PMID: 20530306
7. Buckley, A.W., Rodriguez, A., Jennison, K., Wingert, K., Sato, S., Buckley, J. Thurm, A., & Swedo, S. (2010). Sleep deficiency in children with autism compared to children with developmental delay and typical development. *Archives of Pediatrics and Adolescent Medicine*, 164(11), 1032-1037. PMID: 21041596
8. Spence, S., & Thurm, A. (2010). Testing autism interventions: Trials and tribulations. *The Lancet*, 375(9732):2124-2125. PMID: 20494435
9. Denayer, E., Descheemaeker, M., Stewart, D.R., Keymolen, K., Coombes, S.L., Snow

Program Director/Principal Investigator (Last, First, Middle): Thurm, Audrey.

J., Thurm, A.E., Joseph, L.A., Fryns, J., Legius, E. (2011). Intelligence and behaviour in patients with Legius Syndrome. *American Journal of Medical Genetics Part C (Seminars in Medical Genetics)*, 157(2):123-128. PMID: 21495177

10. Buckley, A.W., Sassower, K., Rodriguez, A., Jennison, K., Wingert, K., Buckley, J., Thurm, A., Sato, S., & Swedo, S. (2011). An open-label trial of donepezil for enhancement of REM sleep in young children with autism. *Journal of Child and Adolescent Psychopharmacology*, 21(4), 353-357. PMID: 21851192

D. Research Support

Ongoing Research Support

Full salary and research resources from the Intramural Research Program.